

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)				ATTY DOCKET NO. <b>EMI.1003</b>		SERIAL NO. <b>10/668,910</b>	
				APPLICANT(S) <b>CORCORAN, et al</b>			
				FILING DATE <b>9-23-03</b>		GROUP <b>2834</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	4,080,724	3-28-78	Gillette	29	598		
	4,161,726	7-17-79	Burson, et al.	340 341	365R 9		
	4,352,646	10-5-82	Laing, et al.	417	420		
	4,477,043	10-16-84	Repperger	244	223		
	4,533,827	8-6-85	Fincher	250	214 PR		
	4,560,983	12-24-85	Williams	340	825		
	4,590,339	5-20-86	Scott-Jackson, et al.	200	6 A		
	4,607,197	8-19-86	Conrad	318	115 116		
	4,632,341	12-30-86	Repperger, et al.	244	230		
	4,642,595	2-10-87	Ruumpol	336	135		
	4,375,631	3-1-83	Goldberg	338	128		
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	JP362221856A	9-29-87	Japan	H02K033	16		✓
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
		"Development of a Variable-Reluctance Spherical Motor" by Kok-Meng Lee and Xiao-an Wang, Proceedings of the 18th NSF Grantees Conference of Design and Manufacturing System Research, Atlanta, Georgia, Jan. 8-12, 1992					
			"Automated Adaptive Control of Display Characteristics Within Future Air Force Crew Stations" Haas, et al. Proc. of Amer. Control Conference 1998; Vol. 1 Air Force Res. Lab., Wright Patterson AFB, OH, USA; pages 450-452 Month Unknown				
EXAMINER 				DATE CONSIDERED <b>12 October 2004</b>			
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








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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,719,381	1-12-98	Miles	310	166	
	4,739,241	4-19-88	Vachtsevanos, et al.	318	800 568.19	
	4,745,367	5-17-88	Dustmann, et al.	328 315	235 305	
	4,763,034	8/88	Gamble	310	181	
	4,842,607	6-27-89	Repperger, et al.	623	24	
	4,855,704	8-8-89	Betz	336	132	
	4,980,538 4,908,558	3-13-90	Lordo et al.	318	648	
	4,945,367	7-31-90	Blackshear	396	427	
	5,044,956	9-3-91	Behensky, et al.	434	45	
	5,062,594	11-5-91	Repperger	244	175	
	5,107,080	4-21-92	Rosen	200	6 A	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Biodynamic and Spasticity Reduction in Joystick Control via Force Reflection" Repperger Sept. 1995; AD-A313 739, AL/CR-TR-1995-0152 Armstrong Laboratory, Air Force Material Command, Wright Patterson AFB, OH; Pages 1-23
		"Why the Pentagon is Often Slow to Pursue Promising New Weapons", Ricks Wall Street Journal; October 12, 1999, Pages 1-9

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10/12/04

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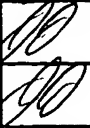
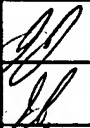
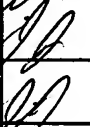
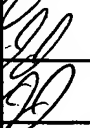




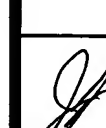

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,111,288	5-5-92	Blackshear	348	143	
	5,196,745	3-23-93	Trumper	310	12	
	5,319,577	6-7-94	Lee	702	153	
	5,328,166	7-12-97	Hokamura	271	171	
	5,349,881	9-27-94	Olorenshaw et al.	74	471 XY	
	5,382,860	1-17-95	Fanning et al.	310	216	
	5,402,049	3-28-95	Lee, et al.	318	568.1	
	5,410,232	4-25-95	Lee	318	568.11	
	5,416,392	5-16-95	Lee et al.	318	568.1	
	5,421,694	6-6-95	Baker et al	414	694	
	5,491,462	2-13-96	Cecchi et al.	338	128	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

		"Urban Warfare: Where Innovation Hasn't Helped", Ricks - <i>Wall Street Journal</i> ; 10-12-99, Pages 1-3
		"A Test of Flitts' Law in Two Dimensions with Head and Head Movement", R. Jagacinski, et al. AD-A133 347, AFAMRL-TR-83/054, Wright Patterson AFB, OH, July 1983; Pages 1-23

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,503,040	4-2-96	Wright	74	471 XY	
	5,589,854	12-31-96	Tsai	345	161	
	5,619,195	4-8-97	Allen et al.	341	20	
	5,643,087	7-1-97	Marcus et al.	463	38	
	5,689,670	11-18-97	Luk	712	207	
	5,691,898	11-25-97	Rosenberg et al.	700	85	
	5,703,604	12-30-97	McCutchen	345	8	
	5,709,219	1-20-98	Chen et al.	600	595	
	5,719,451	2-17-98	Cook et al.	310	12	
	5,721,566	2-24-98	Rosenberg, et al.	345	161	
	5,731,804	3-24-98	Rosenberg	345	156	

**FOREIGN PATENT DOCUMENTS**

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						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	"Effects of Different Control Mechanism Upon Use of a Training Device," Schlechter. AD-A212 979, US Army, Fort Knox, KY, July 1989; Pages 1-18
	"Sims Aims High", Electronic Design, Penton Media, Hasbrouck Heights, NJ, Aug. 23, 1999; Page 32 B

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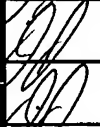
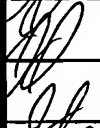





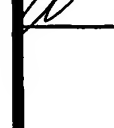
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,734,373	3-31-98	Rosenberg et al.	345	161	
	5,739,811	4-14-98	Rosenberg et al.	345	161	
	5,767,839	6-16-98	Rosenberg	345	161	
	5,773,773	6-30-98	McCauley et al.	200	6 A	
	5,805,140	9-9-98	Rosenberg et al.	345	161	
	5,825,308	10-20-98	Rosenberg	341	20	
	5,831,554	11-30-98	Hedayat et al.	341	20	
	5,831,596	11-3-98	Marshall et al.	345	161	
	5,903,456	5-11-99	Schena et al	364	190	
	5,929,607	7-27-99	Rosenberg et al	320	166	
	5,929,846	7-27-99	Rosenberg et al	345	161	

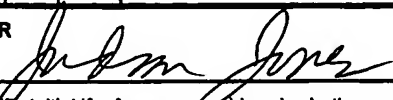
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						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

		"A study of Adaptive Stick Controller in Human Interface Systems" Repperger, et al. Proc. of Amer. Control Conference 1998; Vol. 1, Air Force Res. Lab, Wright Patterson AFB, OH, Pages 453-455. Month unknown.

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Docket Number (Optional)  
**EMI.1003**

Application Number  
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Applicant(s)  
**CORCORAN et al.**

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Group Art Unit  
**2834**

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,942,832	8-27-99	Oudet	310	254	
		5,969,520	10-19-99	Schottler	324	207.2	
		6,004,134	12-21-99	Marcus et al.	434	45	
		6,153,951	11-28-2000	Morita et al.	310	12	
		6,259,174	7-10-2001	Ono	310	13	

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


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